Bruhat Bangalore Mahanagara Palike

Name of Work: Modified Estimate for Improvements to Roads and Drains at Vemanna Layout and Surrounding areas in Ward No. 13, (Doddabommasandra)

Modified Schedule - B

Sl No	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
1	Removing and resetting of footpath slab	Sqm	155.25	246.52	Rupees Two Hundred Forty Six And Paise Fifty Two Only
2	Earth work Excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and	Cum	257.53	214.63	Rupees Two Hundred Fourteen And Paise Sixty Three Only
3	Providing and laying in position Plain Cement Concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to	Cum	15.23	6408.76	Rupees Six Thousand Four Hundred Eight And Paise Seventy Six Only
4	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6	Cum	0.00	6256.45	Rupees Six Thousand Two Hundred Fifty Six And Paise Forty Five Only
5	Providing ruled pointing to cursed stone masonry with lime mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost all materials, labour, usage charges of machinery, curing complete as pre specification.	Sqm	0.00	274.63	Rupees Two Hundred Seventy Four And Paise Sixty Three Only

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Sl No	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
6	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite / trap / basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid	Cum	7.39	6609.54	Rupees Six Thousand Six Hundred Nine And Paise Fifty Four Only
7	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other	Cum	51.50	7230.80	Rupees Seven Thousand Two Hundred Thirty And Paise Eighty Only
8	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.	Tn	1.76	106354.96	Rupees One Lakh(s) Six Thousand Three Hundred Fifty Four And Paise Ninety Six Only
9	Providing and Fixing pre cast Covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting, including form work,curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, copmplete.	Sqm	254.52	2173.53	Rupees Two Thousand One Hundred Seventy Three And Paise Fifty Three Only

Sl No	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
10	Providing and Fixing pre cast Covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete. As per Engineer incharge	Sqm	0.00	5283.81	Rupees Five Thousand Two Hundred Eighty Three And Paise Eighty One Only
11	Supplying and fixing M15 grade precast cement concrete 600 x 300 x 150 mm Kerb Stone for Roadway, Sidewalls and gutters fixed with CM 1:3 fixed and finsihed in line as per direction of Engineer in charge.	Nos	0.00	488.10	Rupees Four Hundred Eighty Eight And Paise Ten Only
12	Painting Two Coats on New Concrete Surfaces Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concretesurfaces.	Sqm	0.00	110.77	Rupees One Hundred Ten And Paise Seventy Seven Only
13	Earth work in surface Excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of	Cum	187.13	75.00	Rupees Seventy Five Only
	Above 125%		181.84	75.00	Rupees Seventy Five Only
14	Providing, laying, spreading and compacting graded stone aggregate to Wet Mix Macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density	Cum	233.91	2762.44	Rupees Two Thousand Seven Hundred Sixty Two And Paise Forty Four Only

Sl No	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
	Above 125%		60.56	2762.44	Rupees Two Thousand Seven Hundred Sixty Two And Paise Forty Four Only
15	Providing and applying Primer Coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical	Sqm	935.63	48.46	Rupees Forty Eight And Paise Forty Six Only
	Above 125%		306.66	48.46	Rupees Forty Eight And Paise Forty Six Only
16	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction	Cum	46.79	10545.59	Rupees Ten Thousand Five Hundred Forty Five And Paise Fifty Nine Only
	Above 125%		15.33	10545.59	Rupees Ten Thousand Five Hundred Forty Five And Paise Fifty Nine Only
17	Providing and applying Tack Coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.25 kg/m2 on the prepared bituminous surface cleaned with mechanical broom	Sqm	3118.75	16.15	Rupees Sixteen And Paise Fifteen Only
	Above 125%		496.35	16.15	Rupees Sixteen And Paise Fifteen Only
18	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade,level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the	Cum	96.91	12244.03	Rupees Twelve Thousand Two Hundred Forty Four And Paise Three Only

E.N.C

Sl No	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
19	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015 The	Sqm	99.74	551.56	Rupees Five Hundred Fifty One And Paise Fifty Six Only
20	Loading and Unloading of Stone Boulder / Stone aggregates / Sand / Kankar / Moorum. (Tipper 14 m3)	Cum	521.69	85.39	Rupees Eighty Five And Paise Thirty Nine Only
	Above 125%		104.78	85.39	Rupees Eighty Five And Paise Thirty Nine Only
21	Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km	T.Km	667.75	121.16	Rupees One Hundred Twenty One And Paise Sixteen Only
	Above 125%		134.12	121.16	Rupees One Hundred Twenty One And Paise Sixteen Only
	EIRL				
E1	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.	Sqm	52.60	1231.21	Rupees One Thousand Two Hundred Thirty One And Paise Twenty One Only
E2	Providing B S slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete. as directed by the Engineer in Charge of the work	Sqm	21.87	878.01	Rupees Eight Hundred Seventy Eight And Paise One Only

Executive Engineer,
Byatarayanapura Division,
BBMP Bangalore